

### Abstract

A method and apparatus for performing remote data replication. The method and apparatus can detect an interruption in the remote data replication process and begin  
5 local logging of all local data writes that occur while the remote data replication process  
is unavailable. The method and apparatus can perform remote data replication across  
multiple remote storage devices or the method and apparatus can replicate a data  
structure from a first storage device to multiple locations on one or more remote storage  
devices. In addition, the method and apparatus can halt the remote data replication and  
10 copy data from the local storage device to the remote storage device to ensure data  
uniformity on all storage devices.